

DERWENT-ACC-NO: 1996-045316

DERWENT-WEEK: 199605

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TITLE: Inhibitor of degradation of muco-polysaccharide, active oxygen inactivator and cosmetics - comprise super-oxide dismutase-like active oxygen removers obtd. from extract of flower petals

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PRIORITY-DATA: 1994JP-0131057 (May 20, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
JP 07309770 A	November 28, 1995	N/A	011 A61K
035/78			

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 07309770A	N/A	1994JP-0131057	May 20, 1994

INT-CL (IPC): A61K007/00, A61K007/06, A61K007/48, A61K035/78

ABSTRACTED-PUB-NO: JP 07309770A

BASIC-ABSTRACT:

Superoxide dismutase (SOD)-like active oxygen removers contg. at least one of extract of petals of flowers of 24 kinds of plants, and inhibitors of degradation of mucopolysaccharide contg. at least one of extract of petals of flowers of 42 kinds of plants including the preceding 24 kinds of plants. Cosmetics contg. at least one of the extracts of SOD-like active oxygen removers and inhibitors of degradation of mucopolysaccharide.

Petals of flowers of 42 plants (e.g. rose, peach, Japanese apricot, Thunberg spirea, sasanqua camellia, common camellia, torch azalea, kobus magnolia,

yulan

magnolia, Chinese paeony, carnation, snapdragon, daisy, dandelion, Japanese wisteria, Chinese cabbage, common stock, hollyhock, shrub althea, cotton-rose hibiscus, common hydrangea, common crape myrtle and sweet-scented oleander) are

extracted with water and/or lower alcohols (e.g. MeOH, EtOH and PrOH) and the extract is added in various bases (e.g. soln., emulsion, ointment, oil, wax, sol, gel and powder) including cosmetics and external preps..

USE/ADVANTAGE - Inhibitors of degradation of mucopolysaccharide, active oxygen

removers and cosmetics. Prevention of ageing due to degradation of mucopolysaccharides with active oxygen and UV ray.

~~In an example, extracts of petals of flowers were tested for the inhibition of degradation of hyaluronic acid in ascorbic acid-Fe and H₂O₂-Fe systems at 10 and 0.1 mg/ml, respectively. Extract of pink rose showed inhibitory rate of 86.1 and 37.2%, respectively. Grape myrtle showed corresp. rate of 89.6 and 38.1%, respectively.~~

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04 D21

CPI-CODES: B04-A08C2; B04-A10; B14-D09; B14-R01; B14-S08; D08-B;